APPROVED O.G. FIG.

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	<del>-</del> .				
				CCGCCTAGCA	
				TTCCCGGCGT	
101				CCGCGGCCGT	
151				GCCCGGGCCG	
				GCGGCGGGCC	
251	ATGCGGGCCG	AGTGAGCCGG	CGCCCGCAGC	CCGCGGCGCG	GCATGGCTTC
301				GCCGCCGCCG	
351				CGCTGCTGCT	
401	CCCGGGGCCT	GGGGCTGGGC	GCGGGGCGCC	CCCCGGCCGC	CGCCCAGCAG
451				GCTCACCAAG	
				CCGTGGAACT	
551	CAGATCCGCA	ACGAGTCACT	CCTGCGCCCC	TACTTCCTCG	ACCTGCGGCT
601	CTATGACACG	GAGTGCGACA	ACGCAAAAGG	GTTGAAAGCC	TTCTACGATG
651	CAATAAAATA	CGGGCCGAAC	CACTTGATGG	TGTTTGGAGG	CGTCTGTCCA
701				CAAGGCTGGA	
				AGCCGATAAG	
801	CTTATTTCTT	TCGGACCGTC	CCATCAGACA	ATGCGGTGAA	TCCAGCCATT
				CGCGTGGGCA	
				TGACCTGACT	
				AGAGCTTCTC	
				GATGTGCGGA	
1051	CCAGTTTGAC	CAGAATATGG	CAGCAAAAGT	GTTCTGTTGT	GCATACGAGG
1101	AGAACATGTA	TGGTAGTAAA	TATCAGTGGA	TCATTCCGGG	CTGGTACGAG
1151				GCCAACTCAT	
1201				CTACATTGGC	
				TCTCAGGAAA	
				TCAGGCGTGG	
				GGTCATCGCC	
				GCCGGCACCA	
				AGGATCATCC	
				TCAAGTTGTA	
1551	GGGAGAGAAT	GGGGACCATT	AAATTTACTC	AATTTCAAGA	CAGCAGGGAG
					AGATCATCAA
1651	TGACACCATC	AGGTTCCAAG	GATCCGAACC	ACCAAAAGAC	AAGACCATCA
					CATCCTCTCT
					TCTTCTTCAA
					CCATACATGA
					CATATTTCTC
					AAACACTTTG
					GCTTTTGGGG
					AAATGTGAAA
					TCGTGGGGGG
					GCTGTGGACC
2151	CCCTGCGAAG	G GACAGTGGAG	AAGTACAGCA	TGGAGCCGGA	CCCAGCAGGA

FIG.1A

J.G. FIG.	LASS SUBCLASS	
APPROVED C	<u>o</u> <u>à</u>	DRAFTSMAN

	•.				
2201		CCATCCGCCC			
2251		CTTGGCATCG			
2301		CTTAGCTTGG			
2351		AGTACATCGG			
2401		GCCGCTGTCT			
2451		CGTGGCTCTG			
2501		TCGTGCCGAA			
2551		AACAGGCGAT			
2601	ATTCTAAAAC	GTCCACCTCG	GTCACCAGTG	TGAACCAAGC	CAGCACATCC
2651		GCCTACAGTC			
2701	AGAGCTGGAT	AAAGACTTGG	AAGAGGTCAC	CATGCAGCTG	CAGGACACAC
2751	CAGAAAAGAC	CACCTACATT	AAACAGAACC	ACTACCAAGA	GCTCAATGAC
2801	ATCCTCAACC	TGGGAAACTT	CACTGAGAGC	ACAGATGGAG	GAAAGGCCAT
2851		CACCTCGATC			
2901		AACATGCAAA			
2951		GTCGGCTGTC			
3001		ATCGGAGGCG			
3051		CAGCCCCCGC			
3101		GCCTGTAAGG			
3151		ACACTGGGCA			
3201		AGAAGCTGGG			GACCACTCGG
3251	ATGGCACTCA	GGTGGACAGG	ACGGGGCAGG		
3301		TTTGTGAAGT			GAGGAACGGA
3351					· TGGGATATCR
3401					GGTCATAACT
3451	GTTTCCTGTG	TTGAAATTGT	TATCCGCTCC		

FIG.1B

the first state of the same times for the same times from the same times for the same times to the same times to the same times for the same times to the same times times to the same times to the same times times to the same times times to the same times times times to the same times tim

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

1 MASPRSSGQP GPPPPPPPPP ARLLLLLLP LLLPLAPGAW GWARGAPRPP 51 PSSPPLSIMG LMPLTKEVAK GSIGRGVLPA VELAIEQIRN ESLLRPYFLD 101 LRLYDTECDN AKGLKAFYDA IKYGPNHLMV FGGVCPSVTS IIAESLQGWN 151 LVQLSFAATT PVLADKKKYP YFFRTVPSDN AVNPAILKLL KHYQWKRVGT 201 LTQDVQRFSE VRNDLTGVLY GEDIEISDTE SFSNDPCTSV KKLKGNDVRI 251 ILGQFDQNMA AKVFCCAYEE NMYGSKYQWI IPGWYEPSWW EQVHTEANSS 301 RCLRKNLLAA MEGYIGVDFE PLSSKQIKTI SGKTPQQYER EYNNKRSGVG 351 PSKFHGYAYD GIWVIAKTLQ RAMETLHASS RHQRIQDFNY TDHTLGRIIL 401 NAMNETNFFG VTGQVVFRNG ERMGTIKFTQ FQDSREVKVG EYNAVADTLE 451 IINDTIRFQG SEPPKDKTII LEQLRKISLP LYSILSALTI LGMIMASAFL 501 FFNIKNRNOK LIKMSSPYMN NLIILGGMLS YASIFLFGLD GSFVSEKTFE 551 TLCTVRTWIL TVGYTTAFGA MFAKTWRVHA IFKNVKMKKK IIKDOKLLVI 601 VGGMLLIDLC ILICWQAVDP LRRTVEKYSM EPDPAGRDIS IRPLLEHCEN 651 THMTIWLGIV YAYKGLLMLF GCFLAWETRN VSIPALNDSK YIGMSVYNVG 701 IMCIIGAAVS FLTRDQPNVQ FCIVALVIIF CSTITLCLVF VPKLITLRTN 751 PDAATQNRRF QFTQNQKKED SKTSTSVTSV NQASTSRLEG LQSENHRLRM 801 KITELDKOLE EVTMQLQDTP EKTTYIKQNH YQELNDILNL GNFTESTDGG 851 KAILKNHLDQ NPQLQWNTTE PSRTCKDPIE DINSPEHIQR RLSLQLPILH 901 HAYLPSIGGV DASCVSPCVS PTASPRHRHV PPSFRVMVSG L

FIG.2

APPROVED O.G. FIG.

BY CLASS SUBCLASS
DRAFTSMAN

Sequence: LPLLLPLAPGAWG-WARGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELAIEQIRNE | (signal) | (mature peptide) 29 42

Other entries above 3.50

Score 11.1 at residue 39

Sequence: LLLLPLLLPLAPG-AWGWARGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELAIEQI |(signal) |(mature peptide) 26 39

Score 8.6 at residue 38

Sequence: LLLLLPLLLPLAP-GAWGWARGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELAIEQ |(signal) | (mature peptide) 25 38

Score 8.1 at residue 35

Sequence: RLILLLLPLLLP-LAPGAWGWARGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELA |(signal) |(mature peptide) 22 35

Score 7.9 at residue 36

Sequence: LILLLLPLLLPL-APGAWGWARGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELAI |(signal) |(mature peptide) | 23 | 36

Score 6.2 at residue 9

Score 5.7 at residue 46

Sequence: LPLAPGAWGWARG-APRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELAIEQIRNESLLR |(signal) |(mature peptide) 33 46

Score 5.6 at residue 747

Sequence: ITLCLVFVPKLIT-LRTNPDAATQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENH |(signal) |(mature peptide) 734 747

Score 5.0 at residue 44

Sequence LLLPLAPGAWGWA-RGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGRGVLPAVELAIEQIRNESL |(signal) |(mature peptide) 31 44

Score 4.9 at residue 497

FIG.3A



Sequence: ILSALTILGMIMA-SAFLFFNIKNRNQKLIKMSSPMNNLIILGGMLSYASIFLFGLDGSFVSE |(signal) |(mature peptide)

484 497

Score 4.5 at residue 141

Sequence: LMVFGGVCPSVTS-IIAESLQGWNLVQLSFAATTPVLADKKKYPYFFRTVPSDNAVNPAILKLL |(signal) |(mature peptide)

128 141

Score 4.4 at residue 734

Sequence: FCIVALVIIFCST-ITLCLVFVPKLITLRTNPDAATQNRRFQFTQNQKKEDSKTSTSVTSVNQA

|(signal) |(mature peptide)

721

734

Score 4.1 at residue 165

Sequence: VQLSFAATTPVLA-DKKKYPYFFRTVPSDNAVNPAILKLLKHYQWKRVGTLTQDVQRFSEVRND

|(signal) |(mature peptide)

152

165

Score 3.6 at residue 158

Sequence: SLQGWNLVQLSFA-ATTPVLADKKKYPYFFRTVPSDNAVNPAILKLLKHYQWKRVGTLTQDVQR

|(signal) |(mature peptide)

145 158

FIG.3B

Distribution of mRNA for EST z43654 in squirrel monkey brain.





at level of caudate and putamen

FIG.4

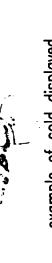
at level of thalamus and hippocampus



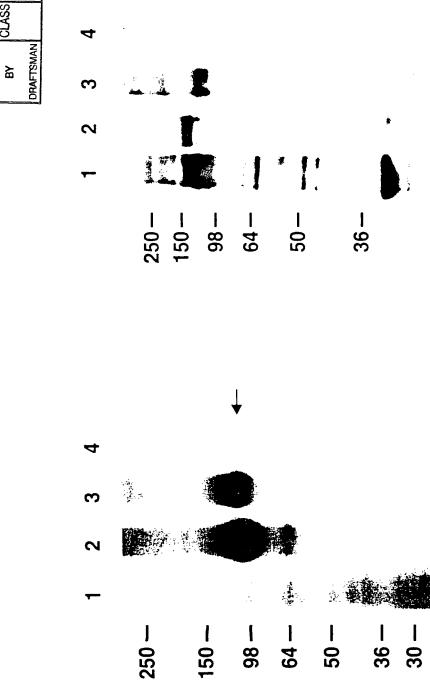
example of cold displayed



at level of cerebellum and occipital cortex







JAMES A SEE

Melanophores COS-7

- 1- FLAG-HG20/pcDNA 3.1
  - 2- pcDNA 3.1
- 3- FLAG-HG20/pcDNA 3.1
  - 4- pcDNA 3.1

FIG.5B

FIG.5A

3- Mouse GABA<sub>B</sub>/ pcDNA 3:1

4- pcDNA 3:1

2- FLAG-HG20/pcDNA 3:1

1- HG20/PCR 3.1

O.G. FIG.	CLASS SUBCLASS	
APPROVED	BY	DRAFTSMAN

MERCHANT TRANSPORT

PLTKEVAK-GSIGR-GVLPAVELAIEQIRNESLLRPYFLDLRLYDTECDNAKGLKAFYDA : : :: :: :X
IKYGPNHLMVFGGVCPSVTSIIAESLQGWNLVQLSFAATTPVLADKKKYPYFFRTVPSDN
AVNPAILKLL-KHYQWKRVGTLTQDVQRFSE-VRNDLTGVLYGEDIEISDTESFSND .:. :
PCTSVKKLKGNDVRII-LGQFDQNM:: ::

FIG.6

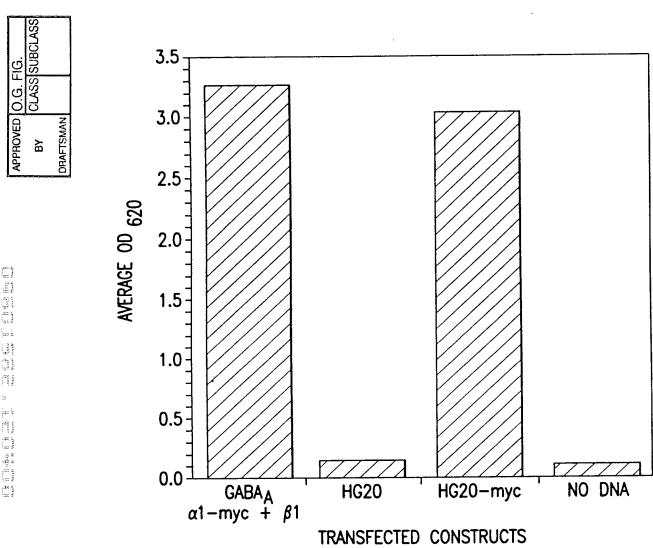


FIG.7

0.G. FIG.	LASS SUBCLASS	
APPROVED O.	CL/	DRAFTSMAN

			10/35			
69	143	218	290	365	440	512
75	149	224	299	372	446	519
75	150	225	300	375	450	525
MGPGGPCTPVGWPLPLLLVMAAGVAPVWASHSPHLPRPHPRVPPHPSSERRAVYIGALFPMSGGWP-GGQ MASPRSSGQPGRPPPPPPPARLILLLLLPLLPLAPGAWGWARGAPRPPPSSPPLSIMGLMPLTKEVAKGSIGR MG.P.PAA	ACQPAVEMALEDVNSRRDILPDYELKLIHHDSKCDPGQATKYLYELLYNDPIKIILMPG-CSSVSTLVAEAARMW GVLPAVELAIEQIRN-ESLLRPYFLDLRLYDTECDNAKGLKAFYDAIKYGPNHLMVFGGVCPSVTSIIAESLQGW PAVE.A.ELY.L.LDCDKYPG.C.SVAEW	NLIVLSYGSSSPALSNRQRFPTFFRTHPSATLHNPTRVKLFEKWGWKKIATIQQTTEVFTSTLDDLEERVKEAGI NLVQLSFAATTPVLADKKKYPYFFRTVPSDNAVNPAILKLLKHYQWKRVGTLTQDVQRFSEVRNDLTGVLYGEDI NLLSP.LDLDLI	EITFRQSFFSDPAVPVKNLKRQDARIIVGLFYETEARKVFCEVYKERLFGKKYVWFLIGWYADNWFKTYDPS EISDTESFSNDPCTSVKKLKGNDVRIILGQFDQNMAAKVFCCAYEENMYGSKYQWIIPGWYEPSWWEQVHTEANS EISFDPVK.LKD.RII.G.FA.KVFCY.EG.KY.WGWYWTS	INCTVEEMTEAVEGHITTEIVMLNPANTRSISNMTSQEFVEKLTKRLKRHPEETGGFQEAPLAYDAIWALALALN SRCLRKNLLAAMEGYIGVDFEPLSSKQIKTISGKTPQQY-EREYNN-KRSGVGPSKFHGYAYDGIWVIAKTLQRA CA.EG.ILIST.QEKRFA.EG.IA.L	KTSGGGGRSGVRLEDFNYNNQTITDQIYRAMNSSSFEGVSGHVVFDASGSRMAWTLIEQLQGGSYKKIGYYDSTK METLHASSRHQRIQDFNYTDHTLGRIILNAMNETNFFGVTGQVVFR-NGERMGTIKFTQFQDSREVKVGEYNAVA	DDLSWSKTDKWIGGSPPADQTLVIKTFRFLSQKLFISVSVLSSLGIVLAVVCLSFNIYNSHVRYIQNSQPNL DTLEIINDTIRFQGSEPPKDKTIILEQLRKISLPLYSILSALTILGMIMASAFLFFNIKNRNQKLIKMSSPYM D.LGS.PILS.LS.L.IL.FNI.NI.S.P
GABA-BR1b	GABA-BR1b	GABA-BR1b	GABA-BR1b	GABA-BR1b	GABA-3R1b	GABA-BR1b
HG20	HG20	HG20	HG20	HG20	HG20	HG20
Consensus	Consensus	Consensus	Consensus	Consensus	Consensus	Consensus

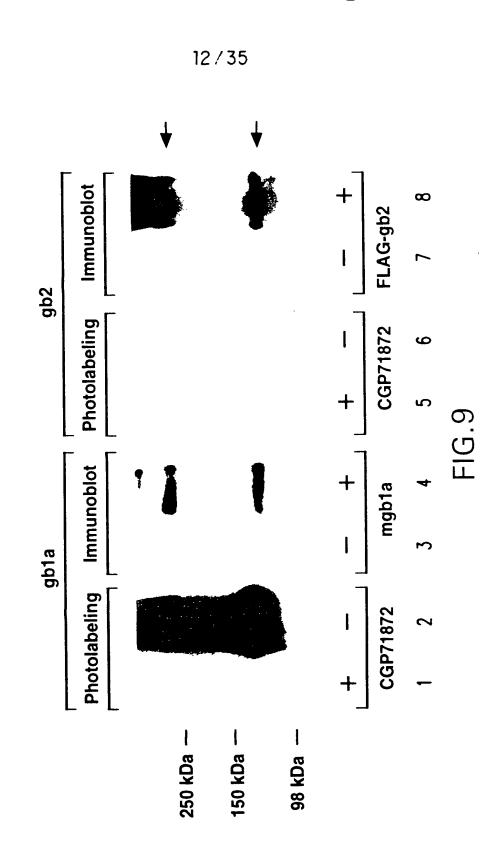
FIG.	CLASS SUBCLASS	
0.G. FIG.	CLASS	
APPROVED	ВУ	DRAFTSMAN

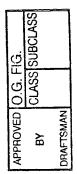
587	662	737	784	820	844
591	666	741	816	891	941
600	675	750	825	900	950
GABA-BRID NNLTAVGCSLALAAVFPLGLDGYHIGRSQFPFVCQARLWLLGLGFSLGYGSMFTKIWWVHTVFTKKEEKKEWRKT HG20 NNLIILGGMLSYASIFLFGLDGSFVSEKTFETLCTVRTWILTVGYTTAFGAMFAKTWRVHAIFKNVKMK-KKI Consensus NNLGLAFGLDGFCR.W.LGG.MF.K.W.VHFKKK.	GABA-BRID LEPWKLYATVGLLVGMDVLTLAIWQIVDPLHRTIETFAKEEPKEDIDVSILPQLEHCSSKKMNTWLGIFYGYKGL HG20 IKDQKLLVIVGGMLLIDLCILICWQAVDPLRRTVEKYSMEPDPAGRDISIRPLLEHCENTHMTIWLGIVYAYKGL ConsensusKLVGDLWQ.VDPL.RT.EED.SI.P.LEHCMWLGI.Y.YKGL	GABA-BRID LLLLGIFLAYETKSVSTEKINDHRAVGMAIYNVAVLCLITAPVTMILSSQQDAAFAFASLAIVFSSYITLVVLFV HG20 LMLFGCFLAWETRNVSIPALNDSKYIGMSVYNVGIMCIIGAAVSFLTRDQPNVQFCIVALVIIFCSTITLCLVFV Consensus L.L.G.FLA.ETVSNDGMYNVC.I.A.VQFL.I.F.S.ITLFV	GABA-BRIb PKMRRLITRGEWQSETQDTMKTGSS-TNNNEEEKSRLLEKENRELEKI HG20 PKLITLRTNPDAATQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENHRLRMKITELDKDLEEVTMQL Consensus PKL.T	GABA-BR1bIAEKEERVSELRHQLQSRQQLRSRRHPPTPPDPSGG	GABA-BR1bLPR-GPSEPPDRLSCDGSRVHLLYK HG20 LSLQLPILHHAYLPSIGGVDASCVSPCVSPTASPRHRHVPPSFRVMVSGL ConsensusLPG

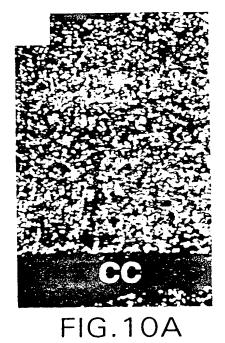
## FIG.8B

APPROVED O.G. FIG.
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FIG. 10B

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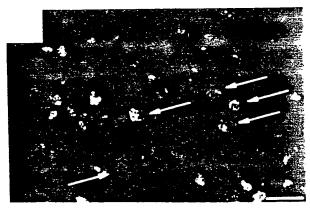


FIG.10C

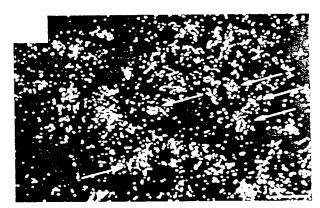


FIG.10D

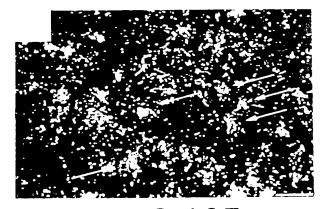
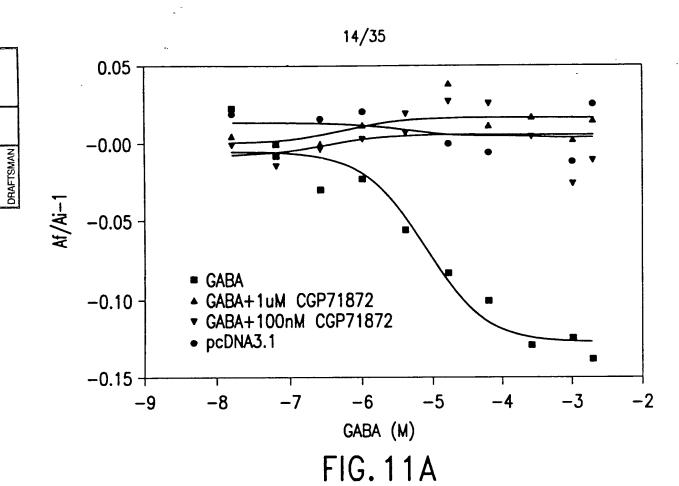
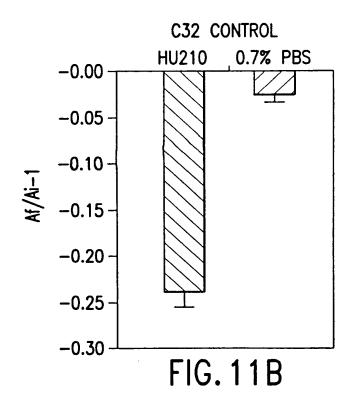


FIG.10E

APPROVED O.G. FIG.
CLASS SUBCLASS







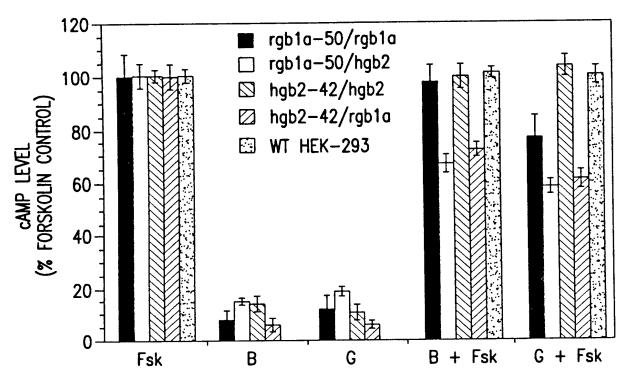
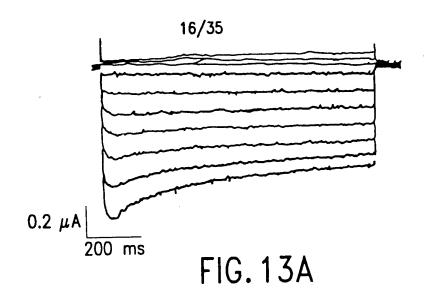


FIG. 12

0.G. FIG.	CLASS SUBCLASS	
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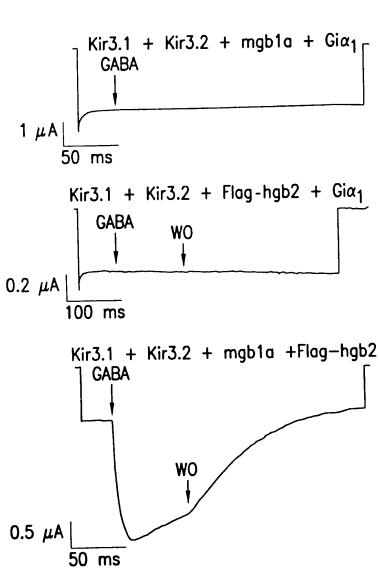


FIG. 13B



pcDNA3.1 FLAG-gb2 mgb1a + FLAG-gb2

250 kDa —

enterior de la constante de la

150 kDa —

→ gb1a/gb2 heterodimer

**←**gb1a monomer

1 2 3 4

FIG.14

APPROVED O.G. FIG.
CLASS SUBCLASS

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ASSISTED SE THE THERESE.

1 atgetgetge tgetgettet gettetette etcegeccec tgggegetge eggggetage 61 acceccaacg teacetegga aggttgecag attatacate egecetggga aggtggeatet 121 aggtacegtg ettgatteg egaceaggtg aaggecatea attteetgee tigtggacatet 181 gagattgaat atglstgeeg eggacageg aaggtggg ggeceaagg eggeaagte 241 etggecaaeg geteetgag eggatatgga aacaecaget egtgtgeteg aatetgetee 301 aagtettatt tgaceetgga eaatggae acaecagate etgetgteeg aatetgetee 221 eggagaate gatgeaggag tteeggatga geceetgagt eccategeeg gggagatetgeggagatetgagge ecagtgagga eccecaaggeeg ggagatate atggggege tgettteecat ggeegggge 481 aegecacaet cagaaeggeg tgeagstate ateggggege eccategeeg gggagage 661 ecagggagae etctegeegga etaggatate ateggggege tgettteecat ggeegggge 61 ecagggeage etaggaget etagggege etgagged ecaggegggge ecaggeggg ecaggaged etaggggggg ecaggaged etagggggggggggggggggggggggggggggggggggg								
121 aggtacgtg gettgatteg egaceagetg aaggecatea attectege tgtggactat 181 gagattgaat atgtgtgeeg gggegaaege gaggtggtgg ggeceaagetg egeaagtge 241 etggecaaeg getectgga aaatggaaag getteega aatetgetee 361 etggatggag ecegggtgg ttteegaga tteegagta teegagtggg 361 etggatggag ecegggtgg ttteegagag getteegagate 421 eggageatet gtagteaggg eaggtgaga acceecaage eceaetgeeg 421 eggageatet gtagteaggg eaggtgaga acceecaage eceaetgeeg 421 eggageatet gtagteaggg eaggtgaga acceecaage eceaetgeeg 421 eggageatet gtagteaggg eaggtgatae ateggggeg gtttteecat gageggggg 481 aegeeaageeg eaggeegg eaggtgatae ategggggg egttteegagga egttagageg 661 egagggaag eceaeaggta ettgateaa ategggggeg gtttteecat gageggggg 661 egagggaag eceaeaggta ettgtteeaa etggtageeg getggagga egttaaeag 661 eagggeaag ecaeeaggta ettgtteeaa etggtageeg aggetgeeg gatgagae 781 ettattgtge teetaatag eteeagee etggeeaea etggtageeg aggetgeeg gatgagaa 782 ettattgga eceaageeg etggeaeaea etggtageeg aggetgeeg gaatetet 783 eagaagtggg ecggaagaag gattgeeae etgeagaga egggtteeg 964 acaetggatg acetggagag gattgeecae etceaeaag eeggttteea 965 acaetggatg acetggagag gattgeecae etceaeagag ecaeeggg 1021 agtttettet eggaagaagag gttgeectgt aaaaacegaa gaggetggg 1021 aggtetttt eagateeage tytgeetgtt aaaaacegaa aggetaaga 1031 acggggaettttettag ggaagaagta tygteggtt eatgeggag 1031 aaaaacetag aceegteaa taattgaaa gtgaggg 1031 aaaaacaaga aatttgtgga gaaactaace aaggagagag 1321 acatacacag gagagttgat eatgetgaae eetggegga gaggaggg 1331 gagggettee aggaggaag gaaactaace aaggagaagaa tgaetgaga gaggaggg 1331 gaaggettee aggagggaggaggaggaggaggaggaggaggaggaggag		$1$ $\delta$	atgctgctgc	tgctgcttct	gcttctcttc	ctccgccccc	tgggcgctgg	cggggctcag
181 gagattgaat atgtgtgcg gggcgaacgc gaggtggtgg ggcccaaggt cyctactcc 241 ctggccaacg gctcctggac ggatatggac acacccagtc gctgtgtccg aatctgctcc 361 ctggatggag cccgggtgga tttccqatgt gaccctgact tccatctggt gggcagctc 421 cggacactc gtagtcaagg ccastgagac accccaagtc gccactgcc ggggagtcc 421 tggccggggg gccaggctg ccagtgatac accccaagc cccactgcc ggggagtcc 421 tggccggggg gccaggctg ccagcctgcg gtggagatgg gctgaggagac 601 cgcagagaca tcctgccgga ctacgagctc aagcttatcc accagcaca gcagtgcgac 601 cgcagagaca tcctgccgga ctacgagctc aagcttatcc accagcaca caagtcgac 601 cgcagagaca tcctgccgga ctacgagctc accagctgc gggagaggg ggtggaacg 601 ccagggcaag ccaccaagta cttgtatgaa ctactctaca acgaccca caagatcatc 721 ctcatgcccg gtgcagctc ttgtgtcaca ctggtagcg aggctgccag gattgagaac 781 cttattgtgc tctcatatgg ctccagcca ctccacaatc ccacccgggt gaatgtggaa 782 cttattgtgc tctcatatgg ctccagcca ctccacaatc ccacccgggt gaatctct 901 gaaaagtggg gctggaagaa gattgcacc atccagcaga ctaccgagag ctttcacaca 961 acattggatg acctggaaga ggagggagaa gagggggga ttgagatcac ttttcgacag 962 acattggatg acctggaaga gcagaggaa gagggggga ttgagatcac ttttcgacag 963 acattggatg acctggaaga gcagaggaga gaggggga ttgagatcac ttttcgacag 964 acattgata gagagaagaa gactgacac ctgagagac cttcacacac 965 acattgatg ggaagaagaa gactgacac acccagagagac cttcacacac 966 acattgata gacagaaaga gacgaagac 1081 atgttcttc cagagagaat gtccggtt tcaagagaa 1141 cggctctttg ggaagaagaat gaccgaagac 1141 cggctctttg ggaagaagaat gaccgaagac 1141 cagacactata acccgcaac cattgacaca 1141 aacacaga aattgtgga gaactacac 1141 aacaagacca ttacagacca actagaccat 1141 aacaagacca ttacagacca actagaccat 1141 aacaagacca ttacagacca aactagaccat 1141 aacaagacca ttacagacca aactagaccat 1141 aacaagacca ttacagacca aactagaccat 1141 aacaagacca ttacagacca aactagaccat 1141 aacaagacca ttacagacca aacaagagagagaa 1141 ctggccacg tggttttga tgccagcag 1141 ctacaagaga gaactacaa aacaagagagaa 1141 ctggccacg tggttttga tgccagaga 1141 ctggcagaacacacaaagaagaagaagaacacaaaaaagaag	6	$51$ $\delta$	acccccaacg	tcacctcgga	aggttgccag	attatacatc	cgccctggga	aggtggcatc
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2221 gccaaggagg aaccaaagga agacatcgat gtctccattc tgccccagtt ggagcactgc 2281 agctccaaga agatgaatac gtggcttggc attttctatg gttacaaggg gctgctgctg 2341 ctgctgggaa tctttcttgc ttacgaaacc aagagcgtgt ccactgaaaa gatcaatgac 2401 cacagggccg tgggcatggc tatctacaat gtcgcggtcc tgtgtctcat cactgctcct 2461 gtgaccatga tcctttccag tcagcaggac gcagcctttg cctttgcctc tctggccatc 2521 gtgttctctt cctacatcac tctggttgtg ctctttgtgc ccaagatgcg caggctgatc 2581 acccgagggg aatggcagtc tgaaacgcag gacaccatga aaacaggatc atccaccaac 2641 aacaacgagg aagagaagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	21	61	atcctaactc	ttgccatctg	gcagattgtg	ı gaccccttgc	accgaaccat	tgagactttt
2281 agctccaaga agatgaatac gtggcttggc attttctatg gttacaaggg gctgctgctg 2341 ctgctgggaa tctttcttgc ttacgaaacc aagagcgtgt ccactgaaaa gatcaatgac 2401 cacagggccg tgggcatggc tatctacaat gtcgcggtcc tgtgtctcat cactgctcct 2461 gtgaccatga tcctttccag tcagcaggac gcagcctttg cctttgcctc tctggccatc 2521 gtgttctctt cctacatcac tctggttgtg ctctttgtgc ccaagatgcg caggctgatc 2581 acccgagggg aatggcagtc tgaaacgcag gacaccatga aaacaggatc atccaccaac 2641 aacaacgagg aagagaagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	22	21	accaaggagg	aaccaaagga	agacatcgat	gtctccattc	tgccccagtt	ggagcactgc
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2401 cacagggccg tgggcatggc tatctacaat gtcgcggtcc tgtgtctcat cactgctcct 2461 gtgaccatga tcctttccag tcagcaggac gcagcctttg cctttgcctc tctggccatc 2521 gtgttctctt cctacatcac tctggttgtg ctctttgtgc ccaagatgcg caggctgatc 2581 acccgagggg aatggcagtc tgaaacgcag gacaccatga aaacaggatc atccaccaac 2641 aacaacgagg aagagaagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	23	341	ctactaggaa	tctttcttqc	ttacgaaacc	: aagagcgtgt	ccactgaaaa	gatcaatgac
2461 gtgaccatga tcctttccag tcagcaggac gcagcctttg cctttgcctc tctggccatc 2521 gtgttctctt cctacatcac tctggttgtg ctctttgtgc ccaagatgcg caggctgatc 2581 acccgagggg aatggcagtc tgaaacgcag gacaccatga aaacaggatc atccaccaac 2641 aacaacgagg aagaggagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc ccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	24	101	cacagggccg	ı tagacataga	: tatctacaat	. gtcgcggtcc	tgtgtctcat	cactgctcct
2521 gtgttctctt cctacatcac tctggttgtg ctctttgtgc ccaagatgcg caggctgatc 2581 acccgagggg aatggcagtc tgaaacgcag gacaccatga aaacaggatc atccaccaac 2641 aacaacgagg aagagaagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	24	161	gtgaccatga	tcctttccag	ı tcagcaggad	: gcagcctttg	cctttgcctc	: tctggccatc
2581 acccgagggg aatggcagtc tgaaacgcag gacaccatga aaacaggatc atccaccaac 2641 aacaacgagg aagagaagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctggggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	25	521	atattctctt	cctacatcac	: tctggttgtg	, ctctttgtgc	ccaagatgcg	caggetgate
2641 aacaacgagg aagagaagtc ccgactgttg gagaaggaaa accgagaact ggaaaagatc 2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	25	81	acccgaggg	aatggcagto	tgaaacgcag	gacaccatga	aaacaggato	atccaccaac
2701 atcgctgaga aagaggagcg cgtctctgaa ctgcgccatc agctccagtc tcggcagcaa 2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctgggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	26	541	aacaacqaqq	ı aagagaagto	: ccgactgttg	g gagaaggaaa	accgagaact	ggaaaagatc
2761 ctccgctcac ggcgccaccc cccaacaccc ccagatccct ctggggggcct tcccagggga 2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	27	701	atcactaaaa	aaqaqqaqcq	ı cgtctctgaa	a ctgcgccatc	: agctccagtc	: tcggcagcaa
2821 ccctctgagc cccctgaccg gcttagctgt gatgggagtc gagtacattt gctttacaag	27	761	ctccqctcac	ggcgccacco	cccaacacco	: ccagatccct	. ctgggggcct	tcccagggga
	28	321	ccctctqaqc	ccctgacco	gcttagctgt	gatgggagto	gagtacattt	gctttacaag
				J .	· · ·			

FIG.15

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MLLLLLLLFLRPLGAGGAQTPNVTSEGCQIIHPPWEGGIRYRGLIRDQVKAINFLPVDY EIEYVCRGEREVVGPKVRKCLANGSWTDMDTPSRCVRICSKSYLTLENGKVFLTGGDLPA LDGARVDFRCDPDFHLVGSSRSICSQGQWSTPKPHCQVNRTPHSERRAVYIGALFPMSGG WPGGQACQPAVEMALEDVNSRRDILPDYELKLIHHDSKCDPGQATKYLYELLYNDPIKII LMPGCSSVSTLVAEAARMWNLIVLSYGSSSPALSNRQRFPTFFRTHPSATLHNPTRVKLF EKWGWKKIATIQQTTEVFTSTLDDLEERVKEAGIEITFRQSFFSDPAVPVKNLKRQDARI IVGLFYETEARKVFCEVYKERLFGKKYVWFLIGWYADNWFKTYDPSINCTVEEMTEAVEG HITTEIVMLNPANTRSISNMTSQEFVEKLTKRLKRHPEETGGFQEAPLAYDAIWALALAL NKTSGGGGRSGVRLEDFNYNNQTITDQIYRAMNSSSFEGVSGHVVFDASGSRMAWTLIEQ LQGGSYKKIGYYDSTKDDLSWSKTDKWIGGSPPADQTLVIKTFRFLSQKLFISVSVLSSL GIVLAVVCLSFNIYNSHARYIQNSQPNLNNLTAVGCSLALAVVFPLGLDGYHIGRSQFPF VCQARLWLLGLGFSLGYGSMFTKIWWVHTVFTKKEEKKEWRKTLEPWKLYATVGLLVGMD VLTLAIWQIVDPLHRTIETFAKEEPKEDIDVSILPQLEHCSSKKMNTWLGIFYGYKGLLL LLGIFLAYETKSVSTEKINDHRAVGMAIYNVAVLCLITAPVTMILSSQQDAAFAFASLAI VFSSYITLVVLFVPKMRRLITRGEWQSETQDTMKTGSSTNNNEEEKSRLLEKENRELEKI IAEKEERVSELRHQLQSRQQLRSRRHPPTPPDPSGGLPRGPSEPPDRLSCDGSRVHLLYK

FIG. 16

[125]CGP71872 photoaffinity labelling 35S invitro transcription/translation

SOM OF LOOK SHOWS B

- 98 kDa

98 kDa — 65 KDa — 36 kDa

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+CABA ~ N-gb1A ო ჩ. EAMOoq C-gbia 🏊 ~ pldp-N ~ olde

+CABA +

C-gb1a

MLLLLLAPLFLRPPGAGGAHTPNATSEGCQIIHPPWEGGIRYRGLTRDQV KAINFLPVDYEIEYVCRGEREVVGPKVRKCLANGSWTDMDTPSRCVRICS KSYLTLENGKVFLTGGDLPALDGARADFRCDPDFHLVGSSRSICSQGQWST PKPHCOVNRTPHSERRAVYIGALFPMSGGWPGGQACQPAVEMALEDVNS RRDILPDYELKLIHHDSKCDPGOATKYLYELLYNDPIKIILMPGCSSVSTLV AEAARMWNLIVLSYGSSSPALSNRQRFPTFFRTHPSATLHNPTRVKLFEKW GWKKIATIOOTTEVFTSTLDDLEERVKEAGIEITFRQSFFSDPAVPVKNLKRQ DARIIVGLFYETEARKVFCEVYKERLFGKKYVWFLIGWYADNWFKIYDPS INCTVDEMTEAVEGHITTEIVMLNPANTRSISNMTSQEFVEKLTKRLKRHPE ETGGFQEAPLAYDAIWALALALNKTSGGGGRSGVRLEDFNYNNQTITDQI YRAMNSSSFEGVSGHVVFDASGSRMAWTLIEQLQGGSYKKIGYYDSTKDD LSWSKTDKWIGGSPPADQTLVIKTFRFLSQKLFISVSVLSSLGIVLAVVCLSF NIYNSHVRYIONSOPNLNNLTAVGCSLALAAVFPLGLDGYHIGRNQFPFV CQARLWLLGLGFSLGYGSMFTKIWWVHTVFTKKEEKKEWRKTLEPWKLY ATVGLLVGMDVLTLAIWQIVDPLHRTIETFAKEEPKEDIDVSILPQLEHCSS RKMNTWLGIFYGYKGLLLLLGIFLAYETKSVSTEKINDHRAVGMAIYNVA VLCLITAPVTMILSSQQDAAFAFASLAIVFSSYITLVVLFVPKMRRLITRGE WOSEAQDTMKTGSSTNNNEEEKSRLLEKENRELEKIIAEKEERVSELRHQLQ SRQQLRSRRHPPTPPEPSGGLPRGPPEPPDRLSCDGSRVHLLYK

FIG.18A

APPROVED O.G. FIG.
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O.G. FIG.	CLASS SUBCLASS	
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las k

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1 atgttgctgc tgctgctact ggcyccactc ttcctccgcc ccccgggcgc gggcgggggcg 61 cataccccca acgccacctc agaaggttgc cagatcatac acccgccctg ggaagggggc 121 atcaggtacc ggggcctgac tcgggaccag gtgaaggcta tcaacttcct gccagtggac 181 tatgagattg agtatgtgtg ccggggggag cgcgaggtgg tggggcccaa ggtccgcaag 241 tgcctggcca acggctcctg gacagatatg gacacaccca gccgctgtgt ccgaatctgc 301 tccaagtctt atttgaccct ggaaaatggg aaggttttcc tgacgggtgg ggacctccca 361 gctctggacg gagcccgggc ggatttccgg tgtgaccccg acttccatct ggtgggcagc 421 tcccggagca tctgtagtca gggccagtgg agcaccccca agccccactg ccaggtgaat 481 cgaacgccac actcagaacg gcgcgcagtg tacatcgggg cactgtttcc catgagcggg 541 ggctggccag ggggccaggc ctgccagccc gcggtggaga tggcgctgga ggacgtgaat 601 agccgcaggg acatcctgcc ggactatgag ctcaagctca tccaccacga cagcaagtgt 661 gatccaggcc aagccaccaa gtacctatat gagctgctct acaacgaccc tatcaagatc 721 atccttatgc ctggctgcag ctctgtctcc acgctggtgg ctgaggctgc taggatgtgg 781 aacctcattg tgctttccta tggctccagc tcaccagccc tgtcaaaccg gcagcgtttc 841 cccactttct tccgaacgca cccatcagcc acactccaca accctacccg cgtgaaactc 901 tttgaaaagt ggggctggaa gaagattgct accatccagc agaccactga ggtcttcact 961 tcgactctgg acgacctgga ggaacgagtg aaggaggctg gaattgagat tactttccgc 1021 cagagtttct tctcagatcc agctgtgccc gtcaaaaacc tgaagcgcca ggatgcccga 1081 atcatcgtgg gacttttcta tgagactgaa gcccggaaag ttttttgtga ggtgtacaag 1141 gagcgtctct ttgggaagaa gtacgtctgg ttcctcattg ggtggtatgc tgacaattgg 1201 ttcaagatct acgacccttc tatcaactgc acagtggatg agatgactga ggcggtggag 1261 ggccacatca caactgagat tgtcatgctg aatcctgcca atacccgcag catttccaac 1321 atgacatccc aggaatttgt ggagaaacta accaagcgac tgaaaagaca ccctgaggag 1381 acaggagget tecaggagge accgetggee tatgatgeea tetgggeett ggeactggee 1441 ctgaacaaga catctggagg aggcggccgt tctggtgtgc gcctggagga cttcaactac 1501 aacaaccaga ccattaccga ccaaatctac cgggcaatga actcttcgtc ctttgagggt 1561 gtctctggcc atgtggtgtt tgatgccagc ggctctcgga tggcatggac gcttatcgag 1621 cagcttcagg gtggcagcta caagaagatt ggctactatg acagcaccaa ggatgatctt 1681 tcctggtcca aaacagataa atggattgga gggtcccccc cagctgacca gaccctggtc 1741 atcaagacat tccgcttcct gtcacagaaa ctctttatct ccgtctcagt tctctccagc 1801 ctgggcattg tcctagctgt tgtctgtctg tcctttaaca tctacaactc acatgtccgt 1861 tatatccaga actcacagcc caacctgaac aacctgactg ctgtgggctg ctcactggct 1921 ttagctgctg tcttccccct ggggctcgat ggttaccaca ttgggaggaa ccagtttcct 1981 ttcgtctgcc aggcccgcct ctggctcctg ggcctgggct ttagtctggg ctacggttcc 2041 atgttcacca agatttggtg ggtccacacg gtcttcacaa agaaggaaga aaagaaggag 2101 tggaggaaga ctctggaacc ctggaagctg tatgccacag tgggcctgct ggtgggcatg 2161 gatgtcctca ctctcgccat ctggcagatc gtggaccctc tgcaccggac cattgagaca 2221 tttgccaagg aggaacctaa ggaagatatt gacgtctcta ttctgcccca gctggagcat 2281 tgcagctcca ggaagatgaa tacatggctt ggcattttct atggttacaa ggggctgctg 2341 ctgctgctgg gaatcttcct tgcttatgag accaagagtg tgtccactga gaagatcaat 2401 gatcaccggg ctgtgggcat ggctatctac aatgtggcag tcctgtgcct catcactgct 2461 cctgtcacca tgattctgtc cagccagcag gatgcagcct ttgcctttgc ctctcttgcc 2521 atagttttct cctcctatat cactcttgtt gtgctctttg tgcccaagat gcgcaggctg 2581 atcacccgag gggaatggca gtcggaggcg caggacacca tgaagacagg gtcatcgacc 2641 aacaacaacg aggaggagaa gtcccggctg ttggagaagg agaaccgtga actggaaaag 2701 atcattgctg agaaagagga gcgtgtctct gaactgcgcc atcaactcca gtctcggcag 2761 cagctccgct cccggcgcca cccaccgaca cccccagaac cctctggggg cctgcccagg 2821 ggaccccctg agccccccga ccggcttagc tgtgatggga gtcgagtgca tttgctttat

**FIG.18B** 

APPROVED O.G. FIG.

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61 121 181 241 301 361 421 481 541 601 661 721 781 901 961 1021 1081 1141 1201 1261 1321 1381	atgctgctgc acccccaacg aggtaccggg gagattgagt ctggccaacg aagtcttatt ctggacggag cggagcatct acgccacact tggccagggaca ccaggccaag cttatgcctg ctcattgtgc actttctcc gaaaagtggg actctggacg agttcttct atcgtggac cgtctctttg aagatctaca cacatcacaa acatcccagg ggaggcttcc aacaagacat	ccacctcaga gcctgactcg atgtgtgccg gctcctggac tgaccctgga ccaggtgga gtagtcaggg cagaacggcg gccaggcctg tcctgccgga ccaccaagta gctgcagctc tttcctatgg gaacgcaccc gctggaagaa acctggagga cagatccagc ttttctatga ggaagaagta accttctat ctgagattgt aatttgtgga aggaggcacc ctgaagagg	gccactctic aggttgccag ggaccaggtg ggaggagcgc agatatggac aaatgggaag tttccggtgt ccagtggagc cgcagtgtac cctagccgcg ctatgagctc cctatatgag tgtctccacg ctccagctca atcagccaca gattgctacc acgagtgaag tgtgccgtc gactgaagcc cattgcaca catgctgaat gaaactaacc gctggcctat cqqccqttct	ctccgcccc atcatacacc aaggctatca gaggtggtgg acacccagcc gttttcctga gaccccgact acccccaagc atcggggcac gtggagatgg aagctcatcc ctgctctaca ctggtggctg ccagccctgt ctccacaacc atccagcaga gaggctggaa aaaaacctga cggaaagttt ctcattgggt gtggatgaga cagccatta ctggtgctg cagcctgt	acttectgee ggeceaaggt getgtgteeg egggtgggga tecatetggt ecatetgea tecatetgea tecategea accaegaeag acgaecetat aggetgetag eaaaceggea etaecegegt eaaceggea ttgagattae agegeeagga ttgagattae agegeeagga ttgtgaggt ggtatgetga tgaetgagge eccegeageat aaagaeaeee gggeettgge tggaggaett	ccgcaagtgc aatctgctcc cctcccagct gggcagctcc ggtgaatagc cgtgaatagc caagtgtgat caagtgtgat caagatcatc gatgtggaac gcgtttcccc gaaactcttt cttcacttcg tttccgcag tgccgaatc gtacaaggag caattggtc ggtgaaggc actggaggac actgccctg caactacaac
1321	agaggettee	addaddcacc	actaacctat	gatgccatct	gggccttggc	actggcccig
1441	aacaagacat aaccagacca	ctggaggagg	cggccgilci	ggigigegee	cttcatcctt	taaagatatc
1501	tctggccatg	taatatttaa	taccaacaac	tctcqqatqq	catggacgct	tatcgagcag
1621	cctcannoto	acaactacaa	gaagattggc	tactatqaca	gcaccaayya	igalcilice
1681	taatccaaaa	cagataaatg	aattagaagg	tccccccag	ctgaccagac	Colygicale
1741	aagacattcc	actiticata	acagaaactc	tttatctccg	lcicagilli	Ciccaycing
1201	ngcattotcc	tagetatt <b>at</b>	ctatctatcc	tttaacatct	acaactcaca	tytttyttat
	atccagaact	cacagcccaa	cctgaacaac	ctgactgctg	tgggctgctc	actyycilla
1921	gctgctgtct gtctgccagg	tcccctggg	gctcgatggt	. idiididiiy	atctagacta	gtttcctttc
1981	ttcaccaaga	tttaataaat	ccacacgggc	. ttcacaaaga	бееерддега	gaaggagtgg
2101	aggaagactc	tagaaccctq	qaaqctqtat	, qccacagtgg	gcctgctggi	gggcarggar
2161	atcctcactc	t.caccatcta	gcagatcgtc	ı gaccetetge	: accggaccai	tyayacatti
2221	accaaaaaaa	aacctaagga	agatattgac	gtctctattc	tgccccagci	ggagcallyc
2281	ancticcanga	agatgaatac	at.gact.tggc	: attttctatq	i gttacaaggg	galgalgalg
2341	ctgctgggaa	tcttccttgc	ttatgagaco	: aagagtgtgt	. ccactgagaa	galcadigal
2401	. caccgggctg	tgggcatggc	tatctacaat	giggeagiee	: cytyceicai	cactgctcct
2461	gtcaccatga	cotatatoac	tcttattata	, glayelling 1 ctctttatac	ccaagatgc	tcttgccata caggctgatc
2581	accedanddo	. aatoocaoto	agaagacacac	a qacaccatqa	n agacagggto	: atcgaccaac
2641	aacaacgagg	i addadaadto	: ccaactatta	g qaqaaqqaga	accgtgaact	, ggadadyaic
2701	l attoctoaga	aagaggagcg	ı tgtctctgaa	a ctgcgccato	c aactccagtc	coggrageag
276	L cticcacticco	: gacaccaccc	: accgacacc	c ccagaaccct	: ctgggggcci	, gcccayyyya
282	l ccccctgago	ccccgaccg	gcttagctg	t gatgggagto	gagtgcatti	gctttataag
288	ı tgagggtagg	grgagggagg	, acayyccay , atoccoato	i ayyyyydyy c ccaactaan	y aaayyyayay a aaaacatact	g gggaagggca c atccaatctc
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FIG.19A

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3121					gctgcctcct	
3181	actgcatctt	tctcttccca	tgcaacaccc	tcttctagtt	accacggcaa	ccctgcagc
3241	tcctctgcct	ttgtgctctg	ttcctgtcca	gcaggggtct	cccaacaagt	gctctttcca
3301	ccccaaaggg	gcctctcctt	ttctccactg	tcataatctc	tttccatctt	acttgccctt
3361	ctatactttc	tcacatgtgg	ctcccctga	attttgcttc	ctttgggagc	tcattctttt
3421	cgccaaggct	cacatgctcc	ttgcctctgc	tctgtgcact	cacgctcagc	acacatgcat
3481	cctcccctct	cctgcgtgtg	cccactgaac	atgctcatgt	gtacacacgc	ttttcccgta
3541	tgctttcttc	atgttcagtc	acatgtgctc	tcgggtgccc	tgcattcaca	gctacgtgtg
3601					gtaggcatgt	
3661					tgtttatcca	
3721	ctgtgtaccc	tccatgtacc	ttgtgtactt	tcttccctta	aatcatggta	ttcttctgac
3781					ttccccaatt	
3841	ggggccatcc	acaccctctc	cttgtcacag	aatctccatt	tctgctcaga	ttccccccat
3901					atcatcttct	
3961	ctcccttttg	ttttgtgttt	ttttgagggg	aattaaggaa	aaataagtgg	gggcaggttt
4021	ggagagctgc	ttccagtgga	tagttgatga	gaatcctgac	caaaggaagg	cacccttgac
4081	tgttgggata	gacagatgga	cctatggggt	gggaggtggt	gtccctttca	cactgtggtg
4141	tctcttgggg	aaggatctcc	ccgaatctca	ataaaccagt	gaacagtgtg	actcggaaaa
4201	aaaaaaaaa	aaaaaaaaa	a			

FIG.19B

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0.G. FIG.	CLASS SUBCLASS	
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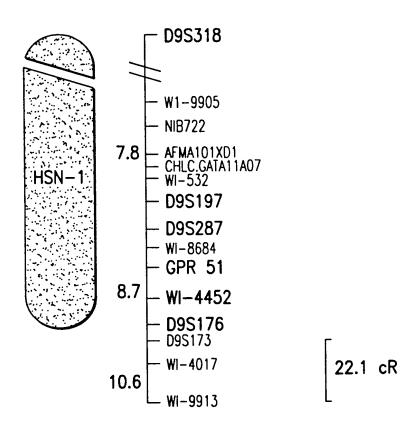


FIG. 20

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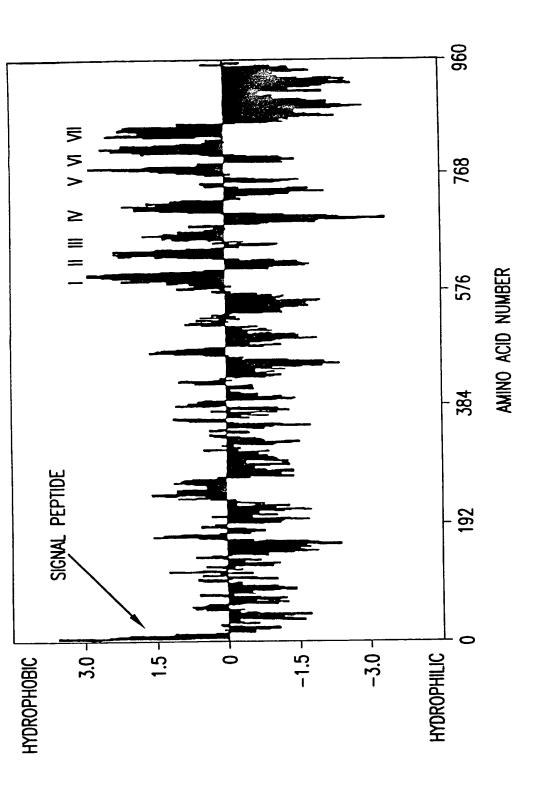


FIG.21

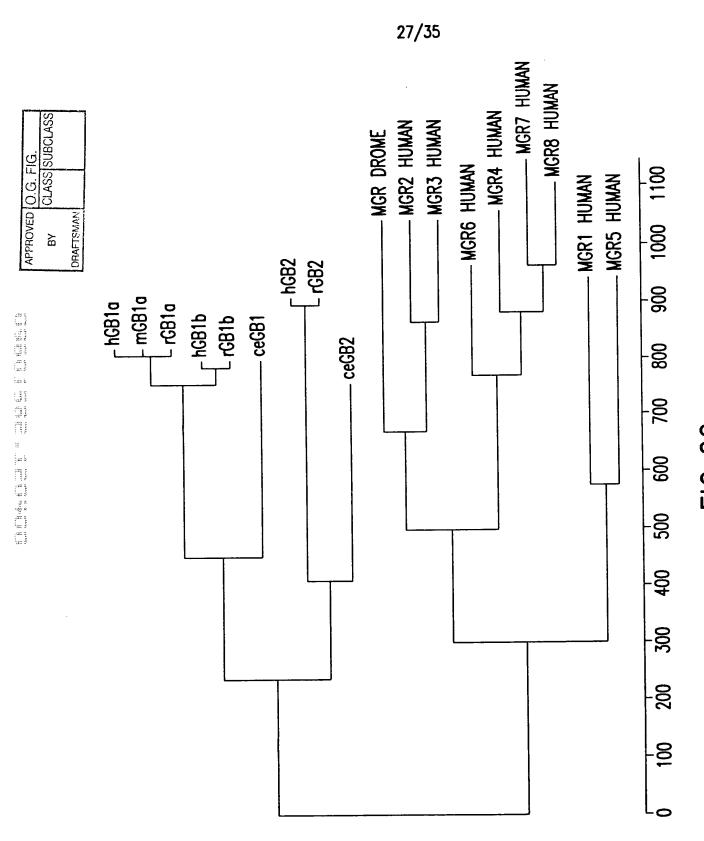


FIG. 22

APPROVED O.G. FIG.

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gbi ....wQSEA.QDTMKTGSSTNNNEEEK...SRLLEK..ENRELEKIIAEKEERVSELRHQLQSRQQLRSRRHPP hg20 QNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENHRLRMKITELDKDLEEVTMQLQDTPEKTTYIKQN

FIG.23

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O.G. FIG. CLASS SUBCLASS	96 OMOLMSS	1 1	D KL IHEDE NMTNENE EMIVKÖT DLRLYDI	770
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ve u	7C YVCRGEF		190 DPAVEMALE LPAVEMALIK LPAVELATE LPAVELATE	7,0
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500 S 100 A 100 A 100 A	30 CQ11HPF	-MASPRSSGQPGPPPPPPP	160 ICQVNRTF	
	PNATSEČ	PRSSGOF	150 WSTPKPF	
	20 CACCAQT		SSIOSOCIA PNESS-B- TVOK SING	
	10 PLFLRPP		140 HLVGSSRS LHIGGTFPN PLPLCVFTV	
	10 20 30 40 50 60 70 80 90 100 MILLLLLLAPLFLRPPGAGGAQTPNATSEĞCQ11HPPWEGG1RYRGLTRDQVKA1NFLPVDYE1EYVCRGEREVVGPKVRKCLANGSWTDMDTLSRCVRIGSKSYL		130 140 210 220  NDFRCDEDFHLVESSRS1CECECENSTPKPHCOVNRTPHSERRAVYICALFPNESCENFOCOACOPAVENALEDVINSBRD1LEDOKELKLIHEDEKÖDFGA NIFRRHCGIPLPLÖGTFPNEER-G	
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i -----EGFPDALPAIRTAL SHVHSRSCIFLOGYRFEMIV .-----LMPLTKEVAKGSIGRGY<u>LPA</u>VELLAJEQIRNESS-LLJRPDFLDLRL -----MASPRSSGQPGPPPPPPP-----RLLLLLLLPLLPLAPGAWGWABGAPRPBPSSPPLSIMG-----150 -----MNIFRHGGIPLPLÖVFTVQK----C.elegons GABA-B2 Human GABA-B2

C.elegans GABA-B1 Human GABA-BlaR

230 240 250 260 270 280 290 300 310 320 330 34 ATKYLYELLYNDÐIRÐ I DARG-ESSASIÐ VÆFAÐRARAÐU I NÍSYGSESPALSNIÐORFPTIF ERTHPSATTHAPTRAKLFERAMARKTATTGOTTÆVFITSÍÐU DÚLEFRVÆFAÐETTFR BANCALYDFILYKPBIRAMOLIG-CSPRITOVIAEAAPVAROMINIVŠYGCSSPALSNIGVRFPTAERTHPSANKONPTRIHIMERFKARRFTILMSVEEVFVTOTOKOLEVSEŘKKCIJKVO-B GAKALFDLIJASRPRPVATIGGGGTEVNEPITAVALKYMO IVOLSYAETHAANGOLOLFTTFFRAMPCSRNTMARCKFVNFFGWKRVGTVKONDG--------------GLKAFYDALIKYGDNHLMYFGGVGPSYTSTIJAESLOGMNLVQLSFDATITPVLADKKKYPYFFRTMPSDNAVNPATLKILLKFYGMKRVGTLTODVORFSEVRNDLTGVLYGEDTETSDT

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ESFSNOPCTSVKKLKGNOVRIILGOFDONMAAKUFICCAYEENNYGSKYKOMIIIPGYYFSSWKEDVHTEANSSROLRKNLLAAMEGYIGUDEPLSSKO---IKIIIISCKTPOOYERE YNNKR---SCVGBS-KFH<u>CYANDGIIM</u>VIJAKTUORANETLHASSRHORIODFNYTOHTLGRIILNGAMETNEFBATGAMAGANG-EBAGTIKFTOFOBSRENAVGEMAVAOTLEJIIN

KEOMINGKOPPD-ST<u>VIKTF</u>N-SYBOFÜIFBSTIÜQYFSOFLALLHVBSFTFLHKNIIFÖ<u>FSOPEONN</u>ILLI<u>GCSÜ</u>CÜFSLÜLICÜPSODISÜSESLEPLUCHAÄVTILI</u> IDSTTKOMSPPLD-STÜTERRREHISSIUFLAMALUALIGIFLALIFULINFRYRNHRFIKMSSPNLNNIITIAGSICTFASVIMUGLOT--RIVSPOVFIVMLÖYTKIMMU IJLOGOMLSYASIFLFGLOG--SFLVSEKTEETLOTVREMIN 0 TMS-1 610 620 630 TMS-2 650 660 FIGVSVIJSSLGTVLAVVCLISFNTYNSHVRYTIQNSQPVLNNLTAVGCSLJALJAAVEPLGLIDG--YHIJGRNQFPTVQ DTIRFCOGSEPPOOKTIJJLEOLB-K<u>IISLPU</u>YSILBALJTILOMIMASAELFFINIKNRNOKL<u>IKMSSP</u>YMNNL 570 580 59C TDKMIGG-SPBADOTL<u>VIKTB</u>R-FLBOKUF

YCSMFARMINHRINGATENOOLASROPISSSRFMVINAALITAVOVFVCFVMVLIDPLHLITEOKFPLFÄDSELEDEMINGOGGGNOOEVMIGIIMGFROLLLIVFGTEUSYETRIL FCAMFSKTWRVHSIFTIN---IRMDRAAIIKOSKUFIIILGIULFIDIGMUVIMAFNSPFSYTVEOFKFLIFSARRINIIIPEVEKONSSFSCVFOAVLYAMKOMUNIUCGFLAWFTRIPV FCAMFAKTWRVHAIIFKNI---VKMKKAIIIKOOKULVINGSMULIDUGIUIOMOANDPURRITVEKYSMEPDPAGROUISURPULEHOENTHATIWLGIVYAMKOULM-FCCFLAWETRIV YGSMFTTMINMWHTVFTKKEEKKEWBKTLEPWALMATVGLLLVGWDVLTLAIMOIVDPLHATIIETFAKEEPKEDIDVSIJLBOLEHOSBRKMNTWLGJFYGYKOLLI 760 C

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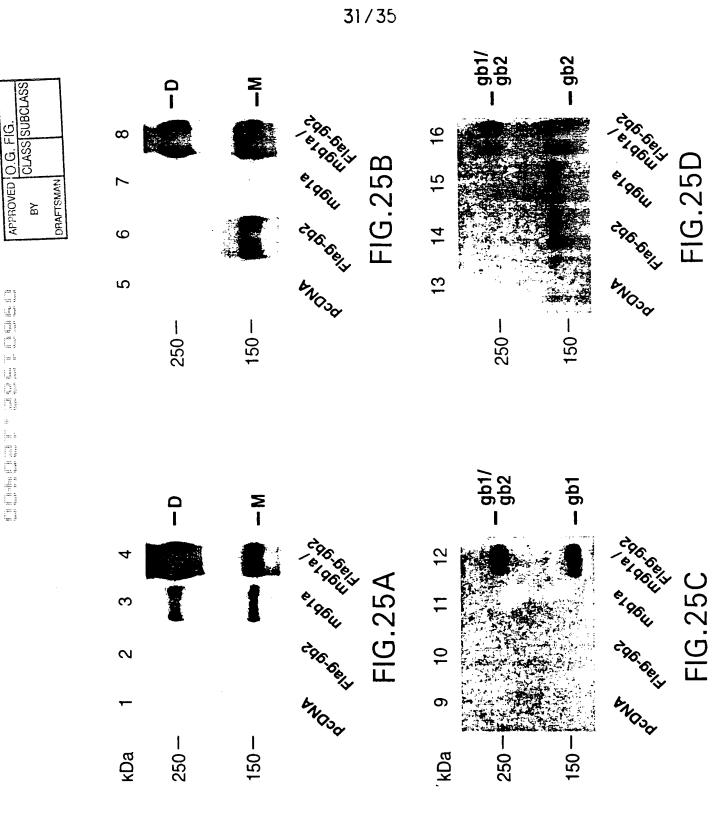
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-----EJQDTMKTQSSTNNNEEEKJSRLLEKENR -----EIQLNGNVGPGVMSKVDQK}-----NWPALNDSKYIGTSVYCCVMSVLGLSTSVILQE-RVNEMFSLASFF-VIFFSTFLITLCLVFVPRVRFFLELCCIGS---------------------------------SI<u>PALNDSKYIGMSVY</u>NVGIMCIIGAAVSFLTRD-QPNVQFCIVALV-I<u>[[F</u>CST]I<u>[TLCLVFVPK</u>LITL]RTNPDAATQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLQSENH STEK<u>INDI-RAVGWA I YNVAVI CIJI I APVITMIL</u>SS-Q<u>ODAAFAFIASIJA-I VFSSY IJTL VVLFVPR</u>VRRLIJTRGEWQS ---KLRF<u>IINDSRFIVGLA I YNVAVI</u>MTIJVI APVIVTLIJI HCKV<u>DANFAFIISI</u>JI ŠVL I CT<u>YTI</u>SVGL I YGPRIRHIJIKVPPSAD ---850 TMS-7

-PPEPPDRLSCDGSRVHLLYK--ELEKIIAEKEERVSEIRHOLOSROOLRSRRHPPTPPEPSGCLPRG--920

RLRMKITELDKDLEEVTMQLQDTPEKTTYIKQNHYQELNDILNLGNFTESTDGGKAILKNHLDQNPQLQWNTTEPSRTCKDPIEDINSPEHIQRRLSLQLPILHHAYLPSIGGVDAS

CVSPCVSPTASPRHRHVPPSFRVMVSGL



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magnification of the property.

### SCR1  ### GABAb10 M_LLLLLLL_LFLRPLGAGGAQTPNVTSEGCQ11HFPWEGGTRYRGLIRDQVKAINFLPVDYE1EYVCRGEREVYGPKVRKCLANGSWTDMDTPSRCVRICSÆSYI[TLENGKYFLTGGDLP:119  #### HGABAb10 M_LLLLLLAPLFLRPPGAGGAQTPNATSEGCQ11HFPWEGGTRYRGLTRDQVKAINFLPVDYE1EYVCRGEREVYGPKVRKCLANGSWTDMDTPSRCVRICSÆSYI[TLENGKYFLTGGDLP:120  #### HGABAb2 M. AS HENSG PRYRGLTRDQVKAINFLPVDYE1EYVCRGEREVYGPKVRKCLANGSWTDMDTPSRCVRICSÆSYI[TLENGKYFLTGGDLP:120  #### MGABAb2 M. AS HENSG PRYRGLTRDQVKAINFLPVDYE1EYVCRGEREVYGPKVRKCLANGSWTDMDTPSRCVRICSÆSYI[TLENGKYFLTGGDLP:120  #### MACLLFFFPAIF LEVS LLUBRSPGR	MGABADIO ALDCARVOFRCOPDEHLVGSSRSICSOCOMSTPKPHCOVNRTPHSERRAVY IGALFPMS. GGWPG. GOACOPAVEMALEDVNSRRD. ILPDYELKLIHHD. SKCOPGOATKYLYELLY: 23 hGABADIO ALDCARVOFRCOPDEHLVGSSRSICSOCOMSTPKPHCOVNRTPHSERRAVY IGALFPMS. GGWPG. GOACOPAVEMALEDVNSRRD. ILPDYELKLIHHD. SKCOPGOATKYLYELLY: 23 hGABAD2 LL. LPLAPGAMGWA. RGAPRP. PPSSP. PLSIMGLMPLTKEVARGSIGRGVLPAVELAIEOI. RNESLLRPYFLOLRLYO. TECCNAKGRAFYDAIK: 12 mGIURI VIIGALFSVHHOPPAEKVPERKCGEIREONGING. VEAMFHTLDKINADPVLLPNITLGSE. IRD. SCWHSSVALEOSIEFIRDSLISIRDEKOGI. NRCLP: 142 Livk. VNCAM. GGPI. AONGIME. FNGAEQAVADINAKGGIRGNKUNGME. YDD. AC. DPROAVAVANKIVN: 67 II.VBP VNCAM. GGPI. AONGIME. FTGAEQAVADINAKGGIRGNKUNGME. YDD. AC. DPROAVAVANKIVN: 67	mGABADIO ND. PINIILLMPC CSSVSTLVAEAARMAN. LIVLSYGSSSPALSNRORFPIFIRIH-PSATLHNPTRVR. LFE. KWGMKKIATIOOTTEVFTS. TUDDLEERVKEAGI: 33: hGABADIO ND. PINIILLMPC CSSVSTLVAEAARMAN. LIVLSYGSSSPALSNRORFPIFIRIH-PSATLHNPTRVK. LFE. KWGMKKIATIOOTTEVFTS. TUDDLEERVKEAGI: 33: hGABADIO ND. PINIILLMPC CSSVSTLVAEAARMAN. LIVLSSSPALSNRORFPIFIRIN-PSATLHNPTRVK. LFE. KWGMKKIATIOOTTEVFTS. TUDDLEERVKEAGI: 33: hGABADIO ND. PNHLMVFGSVORFSE. VRNDLTGVLYGEDI: 224 mGIURI DOOSLPPGRTKKPTATSINGSVORTURY PSTRINGSONAN HTGNYGESONDAFKELAAOED: 253 LIVK DOOSLPPGRTKKPTATSINGSSVALOVONLQLFD. IPOIAYSATSIDLSDKTLYKPTATATATATATATATATATATATATATATATATATATA
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# FIG.26A-1

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mCaBabia EIITFROSFFSDPAVPVKN. LKRODARI. INCLEYET EARKVFCEVYKERLFGKKYVWFLIGWYADNMFK. TYDPSINCTVEEM.TEANEGHITTE. IVMLNP:431 hCABAbia EIITFROSFFSDPAVPVKN. LKRODARI. INCLEYET EARKVFCEVYKERLFGKKYVWFLIGWYADNMFK. TYDPSINCTVDEM.TEANEGHITTE. IVMLNP:432 hCABAbia EIITFROSFFSDPAVPVKN. LKGNDARI. INCLEYET EARKVFCEVYKERLFGKKYVWFLIGWYADNMFK. TYDPSINCTVDEM.TEANEGHITTE. IVMLNP:432 hCABAbia EIITFROSFFSDPAVPVKN. LKGNDARI. INCCFDON. MAAKVFCEVYENKORYFCSKYOWIIPGWYEPSIMFQ. VHTEANSSRCLRKNL.LAAMEGYIGVD. FEPLSS:324 mGIURI CIJAHSDKIYSN. AGENGFFDRLLRRFRIPKARVVVGFCEGM. TVRGLLSAM. BRLGNVGEFSLIG. SDGMADRDEVIEGYEVEANGGIT. IKLOSPEVRSFDDYFLKLRDTN:362 LIVK KAANANVVFFDCITAGENOFSALI. ARLKKENIDFVYNGGYYPENGOMLRQA. RSVGLKTOF. NG. PEG. V. GNASLSNIAGESAEGLVTK:2248 11.VBP KKGNANVVFFDCITAGENOFSTLV. ARLKKENIDFVYNGGYHPENGOILRQA. BAAGLKTOF. NG. PEG. V. ANVSLSNIAGESAEGLVTK:248	MGABADIO ANTRSISNATSOEFVEKLIKRLKRHPE ETGGF GEAPLAYD ANNALALALNK ISGGGGRSGVRLEDFNYNNOTITDOIYRANN SSFEGVSGHYM FDASGSRMA:535 hGABADIO ANTRSISNATSOEFVEKLIKRLKRHPE ETGGF GEAPLAYD ANNALALALNK ISGGGGRSGVRLEDFNYNNOTITDOIYRANN SSFEGVSGHYM FDASGSRMA:535 hGABAD2 KQIKTISGKTPQQYEREYNN KRSGV GPSKF HG. YAYD. GNWYNAKTLORAMETLHASSRHQ.RIQDFNYTDHTLGRILLNAMETNFFGVTGQYM FR.NGERMG.424 mGIURI TRNPWFPEFWQHRFQCRLCRHLENPNFKRICTGNESLEENYYQDSKMGFVINANIYMAMAHGLO.NMHHALCPGHYGL.CDAMKPID GSKLLDFLIKSSFIGVSGEENMFDEKGDAPG:477 LIVK PK. RYD. QDPANQGIV. DALKAD.KKDPSGPTY WITYMAYQSLATALERTGSDEPLAL.VKDLKANSVDTVMGPLN WDEKGDLKG:326	MGABAb10 WTL IE       QLQGGSYKKIGYYD       STKDDLS WSKTDKWIGGS       PPAD         hGABAb10 WTL IE       QLQGGSYKKIGYYD       STKDDLS WSKTDKWIGGS       PPA         hGABAb2       TIKFT       QFQDSREVKVGEYN       AVADTLE IINDTIRF GCSE       PPKDKTIILEQLR         mCluri       RYDIMNLQYTEANRYDYVHVCTWHEGVLNIDDYKIQMNKSGVVRSVCESPCLKGQIKVIRKGEVSCCWICTACKENETYQDEFTCKACDLGWPPNADLTGCEPIPVRY:585         LivK       FFF       GVFQ         IivBP       FFF    STAPAK WHANGT ATDAK ATDAK ATDAK FFF BYFD WHANGT ATDAK ATDAK ATDAK TEF BYFD WHANGT ATDAK ATDAK ATDAK ATDAK ATDAK BYFD WHANGT ATDAK ATDAK ATDAK BYFD

## FIG.26A-2



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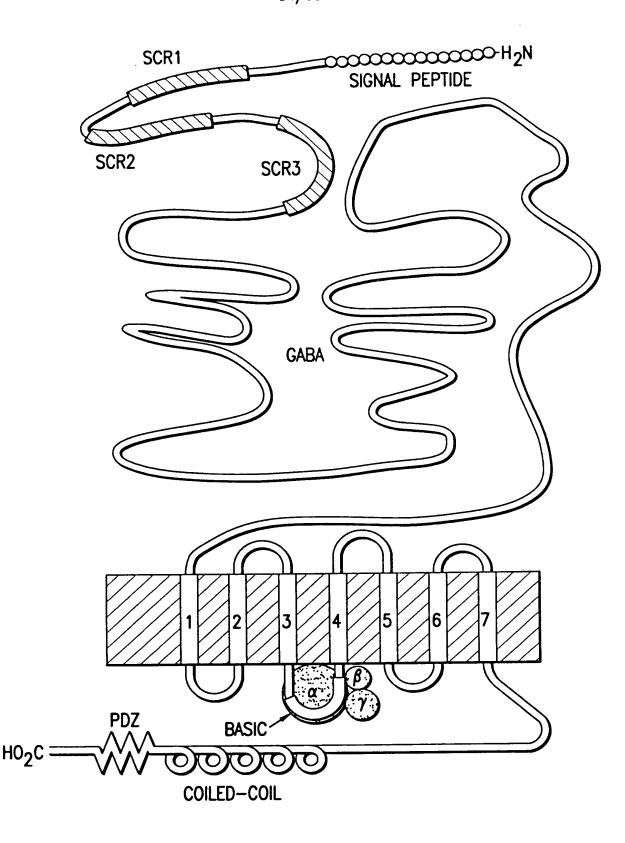


FIG.26B

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TENDS PURSES.

39	56	95	106
40	57	96	107
50	100	149	197
KMR RLITRGEW QSETQDTMKTGSS. [TNNNEEEKSRLLEKE]: PKMR RLITRGEW QSEAQDTMKTGSS. [TNNNEEEKSRLLEKE]: ITLRTNPDAAJTQNRRFQFTQNQKKEDSKTSTSVTSVNQASTSRLEGLOSE]:	NRELEKIIAEKEERVSE NRELEKIIAEKEERVSE NHRLRMKITELJOKDLEEVTMQLQDTPEKTTYIKQNHYQELNDILNLGNFT.	LRHOLOSROOL RSRRHPP TPPDPSGGLPRGPSEPPDRLS: LRHOLOSROOL RSRRHPP TPPEPSGGLPRGPEPPDRLS: ESTDGGKATLKNHLDONPOLOWNTTEPSRTCKDPIEDI.NSPEHTORRLS:	CDGSRVHLLYKHLLYK
mGABAbla	mGABAb1a	mGABAbla	mGABAbla
hGABAbla	hGABAb1a	hGABAbla	hGABAbla
hGABAb2	hGABAb2	hGABAb2	hGABAb2

### FIG.27